AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of transmitting a physical layer information stream having a plurality of sub-blocks that, ~~each sub-block having an error correction code, and a priority if the sub-blocks~~ have a different QoS (Quality of Service), comprising the steps of:

encoding the physical layer information stream using quasi-complementary turbo codes (QCTCs);

dividing the encoded physical layer information stream ~~having different sub-blocks~~ into ~~each of~~ a plurality of slots;

~~initially~~ transmitting one of the plurality of slots to a receiver;

~~receiving~~ upon receipt of indication information that the receiver fails to receive at least one of the sub-blocks in the ~~initially~~ transmitted slot, ~~from a receiver indicates an error and the other sub-blocks are good in reception;~~ repeating the at least one ~~of the~~ sub-blocks that the receiver failed to receive ~~indicating the error~~ within a ~~length of a~~ number of the sub-blocks constituting the physical layer information stream ~~slot permitted in retransmission;~~ and

re-transmitting the at least one repeated ~~at least one of the~~ sub-blocks.

2. (Previously Presented) The method of claim 1, wherein if the at least one of the sub-blocks having the error is transmitted at least twice, the slot data repeats only the at least one of the sub-blocks and includes the number of the sub-blocks.

3. (Cancelled)

4. (Currently Amended) The method of claim ~~3~~1, wherein a code set is generated prior to initial transmission and the initial transmission is performed using a predetermined code in the code set.

5. (Original) The method of claim 1, wherein if at least one sub-block is retransmitted after the sub-blocks are transmitted a predetermined number of times, the code of the retransmission-requested sub-block is changed.

6. (Original) The method of claim 5, wherein the code is changed to an unused code in the code set in a predetermined order.

7. (Original) The method of claim 6, wherein upon receipt of a retransmission request after retransmission-requested sub-blocks are transmitted using all the codes of the code set, the retransmission-requested sub-block is transmitted using a code selected in the predetermined order starting from the code for initial transmission.

8. (Previously Presented) The method of claim 2, wherein repetition times of the at least one of the sub-blocks are determined according to the priorities of the sub-blocks have a different QoS.

9. (Previously Presented) The method of claim 8, wherein if the number of the transmitted sub-blocks is an integer-multiple of the number of the at least one of the sub-blocks, the at least one of the sub-blocks are repeated a same number of times if the at least one of the sub-blocks have a same priority.

10. (Original) The method of claim 9, wherein if the sub-blocks are transmitted at least twice and a signal is received before the sub-blocks are transmitted at least twice, indicating that the transmitted sub-blocks have been successfully received in the receiver, the transmission of rest of the sub-blocks to be transmitted is discontinued and transmitting a next physical layer information stream having a plurality of sub-blocks.